

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
14750

In Re Application: Roland Buelow, et al.

Serial No.  
09/921,819

Filing Date  
August 3, 2001

Examiner  
Unassigned

Group Art Unit  
1653

**PRODUCTION OF HUMANIZED ANTIBODIES IN TRANSGENIC ANIMALS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Michelle Mustafa

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Signature

Dated: March 17, 2003

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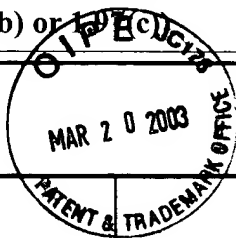
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1653

Title: **PRODUCTION OF HUMANIZED ANTIBODIES IN TRANSGENIC ANIMALS**

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Address to:

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Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).



PATENTS

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Roland Buelow, et al.

**Examiner:** Unassigned

**Serial No:** 09/921,819

**Art Unit:** 1653

**Filed:** August 3, 2001

**Docket:** 14750

**For:** PRODUCTION OF HUMANIZED  
ANTIBODIES IN TRANSGENIC  
ANIMALS

**Dated:** March 17, 2003

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United States Patent and Trademark Office  
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

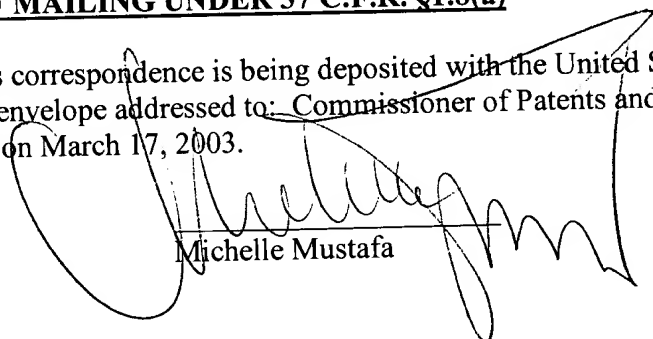
Sir:

In accordance with 37 C.F.R §§1.97 and 1.98, it is requested that the references, which are listed on the attached Form PTO-1449, be made of record in the above-identified case.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on March 17, 2003.

Dated: March 17, 2003

  
Michelle Mustafa

Applicants are submitting a copy of the above-cited references.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined under 37 C.F.R. §1.56.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



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# INFORMATION DISCLOSURE CITATION

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,939,598	8/17/99	Kucherlapati, et al.			
	5,998,209	12/7/99	Jokobovits, et al.			
	5,843,754	12/1/98	Susko-Parrish, et al.			
	5,011,780	4/30/91	Perry			
	5,162,215	11/10/92	Bosselman, et al.			
	5,166,065	11/24/92	Williams, et al.			
	5,712,156	1/27/98	Fry, et al.			
	5,952,222	9/14/99	Rosenkrans, Jr., et al.			
	5,614,396	3/25/97	Bradley, et al.			
	5,721,118	2/24/98	Scheffler			
	5,958,774	9/28/99	Klein, et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 9824893	11/06/98	PCT				
	DE 3744113C2	14/07/88	Germany				
	WO 9517500	29/06/95	PCT				
	WO 9305165	18/03/93	PCT				
	WO 9935906	22/07/99	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Adenot, P.G. et al. (1997) "In Vivo Aging of Oocytes Influences the Behavior of Nuclei Transferred to Enucleated Rabbit Oocytes", <u>Molecular Reproduction and Development</u> 46:325-336.
	Fushiotti, P. et al. (1993) "Recombination Activating Genes-1 and -2 of the Rabbit: Cloning and Characterization of Germilne and Expressed Genes", <u>Molecular immunology</u> 30(11):1021-1032.

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	5,574,205	11/12/96	Kucherlapati, et al.			
	5,578,461	11/26/96	Sherwin, et al.			
	5,589,369	12/31/96	Seidman, et al.			
	5,814,318	9/29/98	Lonberg, et al.			
	5,545,806	8/13/96	Lonberg, et al.			
	5,661,016	8/26/97	Lonberg, et al.			
	5,771,429	6/23/98	Oyama, et al.			
	5,877,397	3/2/99	Lonberg, et al.			
	5,633,425	5/27/97	Lonberg, et al.			
	5,625,126	4/29/97	Lonberg, et al.			
	5,874,299	2/23/99	Lonberg, et al.			

## FOREIGN PATENT DOCUMENTS

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						YES	NO
	WO 9936510	22/07/99	PCT				
	WO 9907829	18/02/99	PCT				
	WO 9003439	05/04/90	PCT				
	WO 9003432	05/04/90	PCT				
	GB 2265909A	13/10/93	United Kingdom				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Galat, V.V. et al. (1999) "Developmental Potential of Rabbit Nuclear Transfer Embryos Derived from Donor Fetal Fibroblast", <u>Theriogenology</u> 51:203 (Abstract)
	Hollenbach, P. et al. (1994) "The Expression of Human Heavy Chain Immunoglobulin Gene YACs in Transgenic Mice", <u>J. Cell Biochem Suppl</u> 18D:201 (Abstract)

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	5,569,825	10/29/96	Lonberg, et al.			
	5,789,215	8/4/98	Berns, et al.			
	5,612,205	3/18/97	Kay, et al.			
	5,789,650	8/4/98	Lonberg, et al.			
	4,994,384	2/19/91	Prather, et al.			
	5,998,144	12/7/99	Reff, et al.			
	6,011,197	1/4/00	Stelchenko, et al.			
	5,994,619	11/30/99	Stice, et al.			
	5,945,577	8/31/99	Stice, et al.			
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	5,258,307	11/2/93	Simkiss, et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AU-B-25437/92	05/04/93	Australian				
	WO 9806834	19/02/98	PCT				
	WO 9920780	29/04/99	PCT				
	AU-B-68674/91	14/11/01	Australian				
	CA 2034034	07/17/91	Canadian				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Lagutina, I S. et al. (1999) "Nuclear Transfer in Rabbits and Factors Affecting it Efficiency", <u>Theriogenology</u> 51: 207 (Abstract)
	Lonberg, N. et al. (1994) "Human Sequence Antibodies from Transgenic Mice", <u>J. Cell Biochem Suppl</u> 18D: 185 (Abstract)

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	5,340,740	8/23/94	Petitte, et al.			
	5,656,479	8/12/97	Petitte, et al.			
	5,482,856	1/9/96	Fell, Jr., et al.			
	5,731,367	2/24/98	Kay, et al.			
	5,633,076	5/27/97	DeBoer, et al.			
	5,741,957	4/21/98	Deboer, et al.			
	5,204,244	4/30/93	Fell, et al.			
	5,480,772	1/2/96	Wangh			
	5,651,992	7/29/97	Wangh			
	5,773,217	6/30/98	Wangh			
	5,672,344	9/30/97	Kelley, et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	EP 438102A1	24/07/91	EPO				
	WO 9517200	29/06/95	PCT				
	WO 9404032	03/03/94	PCT				
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	Mendez, M. J. et al. (1997) "Functional Transplant of Megabase Human Immunoglobulin Loci Recapitulates Human Antibody Response in Mice", <u>Genetics</u> 15: 146-156
	Mitalipov, S. M. et al. (1999) "Development of Nuclear Transfer and Parthenogenetic Rabbit Embryos Activated with Inositol 1, 4, 5-Trisphosphate", <u>Biology of Reproduction</u> 60: 821-827

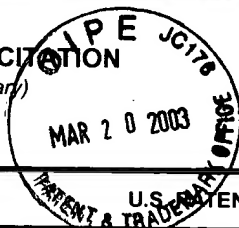
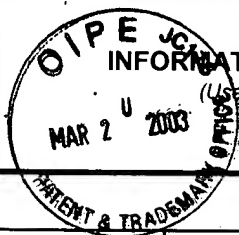
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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		JP11505523	5/21/99	Japan				
		JP11262386	1/11/91	Japan				
		JP11243973	9/14/99	Japan				
		JP11262388	1/11/91	Japan				
		JP10146194	1/11/91	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Park, C.S. et al. (1998) "Production of Cloned Rabbit Embryos and Offsprings by Nuclear Transplantation Using In Vitro Matured Oocytes", <u>Theriogenology</u> 49: 325 (Abstract)	
		Pluschke, G. et al. (1998) "Generation of Chimeric Monoclonal Antibodies from Mice that Carry Human Immunoglobulin Cy1 heavy or Ck Light Chain Gene Segments", <u>Journal of Immunological Methods</u> 215: 27-37	

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		JP10155492	1/11/91	Japan				
		WO9634096	31/10/96	PCT				
		WO9633735	31/10/96	PCT				
		JP11239490	1/11/91	Japan				
		WO9963601	09/12/99	PCT				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

			Prather, R. S. (1991) "Nuclear Transplantation and Embryo Cloning in Mammals", <u>ILAR News</u> 33(4): 62-68
			Rao, V. H. et al. (1998) "Freezing and Recloning of Nuclear Transfer Embryos in Rabbit", <u>Theriogenology</u> 49: 328 (Abstract)

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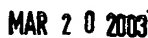
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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	WO 9945962	16/09/99	PCT				
	1338931	02/25/97	Canadian				
	JP2882527	2/5/99	Japan				
	CH685765A5	29/09/95	Switzerland				
	WO 9839416	11/09/98	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Zakharchenko, V. I. et al. (1993) "Development of Cloned Rabbit Embryos as Influenced by Various Factors", <u>Russian Agricultural Sciences</u> 51(8): 29-36					
		Zakhartchenko, V. et al. (1999) " Nuclear Transfer in the Bovine Embryo: Development Potential of Cultured Adult Cells", <u>Theriogenology</u> 51: 218 (Abstract)					
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**U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		GB2245589A	08/01/92	United Kingdom				
		WO9004036	19/04/90	PCT				
		JP9501681	24/08/95	Japan				
		WO9510599	20/04/95	PCT				
		WO9517516	29/06/95	PCT				

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	JP9603375	18/11/96	Japan				
	JP616698	1/25/94	Japan				
	WO9940213	12/08/99	PCT				
	WO9418344	18/08/94	PCT				
	WO9407997	14/04/94	PCT				

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